# Brickcom

# Megapixel Bullet Network Camera

## OB-100A Series

- H.264, MPEG-4 and MJPEG Triple Codec Compression with Dual Simultaneous Streaming
- Power over Ethernet
- Built-in Micro SD/SDHC Memory Card Slot for Local Storage (*)
- 1 DI/DO for External Alarm and Sensor Device
- Smart Focus to get excellent image quality easily (*)
- IEEE 802.11a/b/g/n Compliance (*)
- Built-in 3G SIM slot (*)
- IP67 Outdoor enclosure Built-in Fan and Heater (*)

## Camera Accessories

**CI-807 / CI-812 (OB-100AP)**
Camera Stand

**GEM04-222008A**
Wi-Fi Dual Band Omni Antenna

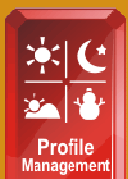
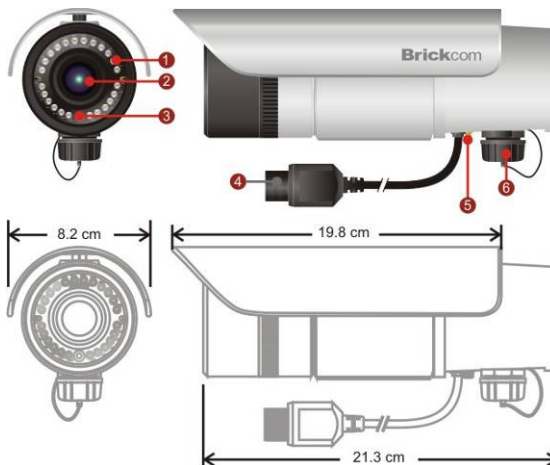
**GEM07-15072A**
3G Antenna

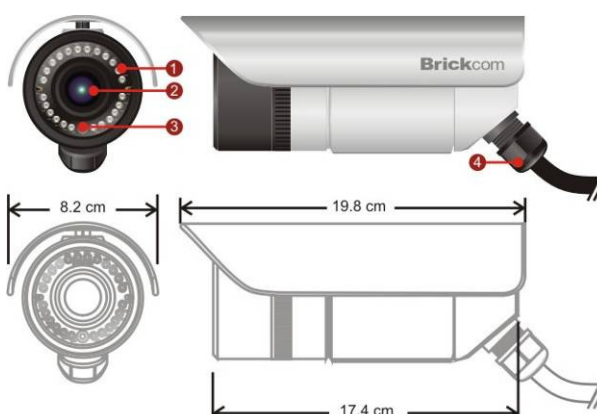
**GEM04-222060**
Wi-Fi Dual Band Antenna

**GEM04-222070**
Wi-Fi Dual Band Patch Antenna

## Network Equipments

**DWRT-600N**
Dual-Band Wireless N Router

**POE30U**
PoE Injector

### Dimension Diagram (OB-100Ap Series)

1. IR LED
2. Lens
3. Light Sensor
4. RJ45 Connector 1 (for Ethernet and High Power POE)
5. Antenna Connector
6. RJ45 Connector 2 (for Audio in/out, RS485, DIDO)

### Dimension Diagram (OB-100Ae Series)

1. IR LED
2. Lens
3. Light Sensor
4. IO Interface

**OB-100A Series**

## Camera

| | |
|---|---|
| **Model Number** | **OB-100Ae** - Outdoor/ Megapixel/ IR LED/ 2 Way Audio/ Ethernet/ POE/ DIDO/ RS485/ Weather-Proof<br>**WOB-100Ae** - Outdoor/ Megapixel/ IR LED/ 2 way Audio/ Ethernet/ POE/ Wi-Fi/ DIDO/ RS485/ Weather-Proof<br>**OB-100Ap** - Outdoor/ Megapixel/ IR LED/ 2 way Audio/ Micro SDHC/ Ethernet/ POE/ DIDO/ RS485/ Weather-Proof/ Smart Focus<br>**WOB-100Ap** - Outdoor/ Megapixel/ IR LED/ 2 way Audio/ Micro SDHC/ Ethernet/ POE/ Wi-Fi/ DIDO/ RS485/ Weather-Proof/ Smart Focus<br>**GOB-100Ap** - Outdoor/ Megapixel/ IR LED/ 2 way Audio/ Micro SDHC/ Ethernet/ POE/ 3G/ DIDO/ RS485/ Weather-Proof/ Smart Focus |
| **Hardware System** | CPU: 500 MHz<br>Flash: 16M<br>RAM: 128M DDR**(OB-100Ap/ WOB-100Ap/ GOB-100Ap)**<br>RAM: 64M DDR**(OB-100Ae/ WOB-100Ae)** |
| **Image Sensor** | Sensor Type : 1/4” CMOS Megapixel Sensor<br>Sensor Resolution : 1280 x 800 pixel<br>Minimum Illumination :<br>0.68 Lux @F1.4 (Without IR LED )<br>0 Lux @ F1.4 ( With IR LED ) |
| **Lens** | Lens Type : Moto-focal with Auto-Iris IR Corrective<br>Focal Length: f= 3.3~12 mm, 3.6X<br>View Angle (H): 63.6° ~17.9° (V): 46.5° ~13.5° (D): 82.7° ~ 22.4 ° |
| **Day & Night Support** | Mechanical ICR and 24pcs IR LEDs, triggered by sensor<br>IR distance: 15m<br>IR wavelength: 850nm<br>Bean Angle: 40° |

## Video

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|---|---|
| **Video Image Compression** | H.264 / MPEG4 / MJPEG |
| **Video Setting** | Auto Exposure Control: Sport, Normal, Night Vision, User Defined<br>Auto Gain Control: 1X~5X<br>Shutter Speed: 1/5~1/20000 |
| **Image Resolution** | **16:10:**1280 x 800/640 x 400/320 x 192<br>**16:9:**1280 x 720/640 x 352/320 x 176<br>**4:3:**640 x 480/320 x 240 |
| **Frame Rate at Max. Resolution** | **OB-100Ae/ WOB-100Ae**<br>H.264: 15 fps<br>MPEG4: 15 fps<br>MJPEG: 30 fps<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap**<br>H.264: 30 fps<br>MPEG4: 15 fps<br>MJPEG: 30 fps |

## Audio

| | |
|---|---|
| **Audio Streaming** | Two-way audio support |
| **Audio Compression** | G.711, AMR (8 kHz, Mono, PCM) |
| **Audio Input/Output** | External microphone or line input (Unbalanced, 1.4 Vp-p, 1 Vrms)/ Line output |

## Network

| | |
|---|---|
| **Communication** | Ethernet : one 10/100Mbps RJ-45<br>IEEE 802.11a/b/g/n compliance **(WOB-100Ap/ WOB-100Ae)**<br>HSUPA/UMTS 850/1900/2100 **(GOB-100Ap)**<br>Supported Protocols : TCP/IP, UDP, ICMP, DHCP, NTP, DNS,<br>DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP,<br>RTCP, Wireless 802.11 a/b/g/n **(WOB-100Ap)** |

## General

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|---|---|
| **Interface & Buttons** | **OB-100Ae/ WOB-100Ae**<br>DC Power Connector<br>Ethernet Cable Connector<br>Terminal Block1 (General I/O)<br>Terminal Block2 (AC24V, RS485)<br>External MIC/Line Input<br>External Audio output<br>Reset Button<br>**WPS Button (WOB-100Ae)**<br>Detachable Antenna Connector **(WOB-100Ae)**<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap**<br>RJ45 connector1 (for Ethernet and High power POE)<br>RJ45 connector2 (for Audio in/out,RS485, DIDO)<br>Reset button<br>External Antenna reserve SMA connector **(WOB-100Ap)**<br>Micro SD/SDHC memory card slot **(GOB-100Ap)**<br>3G SIM slot |
| **Power input** | **OB-100Ae/ WOB-100Ae**<br>802.3af (PoE)/AC24V/DC12V/1A<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap**<br>High Power PoE / DC48V/0.8A |
| **LEDs** | Status (Power/Link) |
| **Power consumption** | **OB-100Ae/ WOB-100Ae**<br>Max Power Consumption : 12 watts<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap**<br>Max Power Consumption : 25 watts |
| **Environment** | Water Proof: IP67<br>**OB-100Ae/ WOB-100Ae**<br>Operating Temperature : -20℃ ~ 50℃ (-4℉ ~122℉)<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap**<br>Operating Temperature : -40℃ ~ 60℃ (-40℉ ~140℉), build in fan and heater |
| **Dimension** | **OB-100Ae/ WOB-100Ae** - 82(D) * 174(H) mm<br>**OB-100Ap/ WOB-100Ap/ GOB-100Ap** - 82(D) * 213(H) mm |
| **Weight** | **OB-100Ae/ OB-100Ap**<br>Net: 1100 g<br>**WOB-100Ae /WOB-100Ap/GOB-100Ap**<br>Net: 1150 g |
| **Humidity** | 10% ~ 80% |
| **Certification** | FCC, CE |
| **Warranty** | Limited 2-year warranty |

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(*) These are optional features. Please refer to the Buying Guide for the full list of optional features available for this product.